ELEAZAR WIGAN WRITING M.R
At the Hand and Pen on Great Tower Hill
LONDON. MDCLXXXXV.

ELEAZAR WIGAN WRITING M.R
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Practical Arithmetick

&c.

An Introduction to ye whole Art

Wherein the most necessary Rules are
fairly describ'd in the usuall Hands

Adorn'd

with great variety of Flourishes Perform'd

By Command of Hand

Design'd

To be interleav'd for ye more speedy fitting
of Youth for Merchandize or Trade

By Eleazar Wigan

writing Ma^r^ on g^t^ Tower Hill

London

Jno: Hurt
Sculp:

Sold by ye Author

1.

To my hon.d Friend the R.d

Mr. Samuel Hoadly

Master of a private Boarding School in

Hackney near London

Sr

The great Esteeme and Respect I have for you and
y.r Satisfaction and Happines I have receivd by yo.r
pious and judicious education of my two Sons oblige
me to make this publick acknowledgment. And must
crave yo.r Patronage of this Work wch you have frequently
excited me to publish for y.e advantage of all young Students
in this Art. Your favourable acceptance hereof will
confer an honour upon

Sr

Yr most obliged
Friend & Serv.t
Eleazar Wigan

From great Tower
Hill London

THE Numeration TABLE

Degrees.					Degrees.
1	1	One *or* Units	1		1
2	10	X. Tens	21		2
3	100	C. Hundreds	321		3
4	1000	Thousands	4321		4
5	10000	X^s. Thousands	54321		5
6	100000	C. Thousands	654321		6
7	1000000	Millions	7654321		7
8	10000000	X^s. Millions	87654321		8
9	100000000	C^s. Millions	987654321		9

Numeration teacheth how to express or read by signification or value of any Number written. And also to write down any Number propounded with proper Characters in their due Places

Reckoning Numbers by LATIN LETTERS

1	I	21	XXI	400	CCCC
2	II	30	XXX	500	D or thus IↃ
3	III	40	XL	600	DC or thus IↃC
4	IIII or thus IV	49	XLIX	700	DCC or thus IↃCC
5	V	50	L	1000	CIↃ or thus M
6	VI	59	LVIIII or thus LIX	2000	CIↃ CIↃ or thu 2^{M}
7	VII	60	LX	3000	CIↃCIↃCIↃ
8	VIII or thus IIX	70	LXX	5000	IↃↃ
9	VIIII or thus IX	80	LXXX	10000	CCIↃↃ
10	X	89	LXXXIX	50000	IↃↃↃ
11	XI	90	XC	100000	CCCIↃↃↃ or CM
12	XII	95	XCV	500000	IↃↃↃↃ
18	XVIII or thus IIXX	100	C	1000000	CCCCIↃↃↃↃ
19	XVIIII or thus XIX	200	CC	1695	CIↃDCXCV or
20	XX	300	CCC	1695	MDCXCV

TABLES of PENCE

s	d
1	12
2	24
3	36
4	48
5	60
6	72
7	84
8	96
9	108
10	120
11	132
12	144

s	d	s
20	1	8
30	2	6
40	3	4
50	4	2
60	5	0
70	5	10
80	6	8
90	7	6
100	8	4
110	9	2
120	10	0

These Tables must be got perfectly by Heart

Addition

It is the gathering together or bringing divers Numbers into one whole or gross Summe. Examples.

5757	7571	9517	71-57
3451	2512	7575	9150
0507	5715	1017	5175
5175	7571	9152	5175
1234	5679	5157	7516
5452	1050	7123	5170
21576	30093	39541	39343
16819	22527	30024	32186
21576	30093	39541	39343

567	15	11	½
001	16	06	
146	00	09	¼
910	06	10	
541	15	06	¼
016	16	05	
165	14	04	½
910	10	00	
061	00	00	¼
3321	16	05	0
2754	00	06	½
3321	16	05	0

675	06	09	¼
204	10	11	
960	16	09	
174	15	10	½
555	02	10	¾
906	14	06	
351	10	07	
676	10	11	¼
910	00	00	
4415	09	02	¾
3740	02	05	¼
4415	09	02	¾

£	s	d
9	12	10
5	11	09
7	14	10
9	10	08
6	17	11
4	12	01
7	19	07
5	10	11
57	01	03

£	s	d
96	16	06
21	12	04
72	10	07
75	17	02
26	12	11
19	07	08
51	10	07
29	14	06
464	02	03

£	s	d
195	19	10
172	10	09
210	10	11
174	02	04
526	17	08
217	14	00
109	02	11
521	12	09
2128	12	05

£	s	d
0	11	09
0	10	11
0	07	02
0	19	10
0	14	07
0	12	11
0	07	09
4	04	11

£	s	d
21	10	07½
10	17	10¼
51	18	09¾
60	12	11–
70	17	02½
86	10	11–
10	14	10¼
313	03	020

£	s	d
31	18	07½
22	10	02¼
41	12	–½
40	19	07¼
03	10	09¾
62	12	11–
31	17	02½
235	01	04¾

£	s	d
3	13	02
291	12	6
203	02	07¼
4	04	11
313	03	020
235	01	04¾

Of Cloth measure

Note that

+ 4 Nails — 1 q^r of a y^d
+ 4 Quarters — 1 Yard
5 Quarters — 1 Ell Engl^d
3 Quarters — 1 Ell Flem
6 Quarters — 1 French Ell

Yards	qrs	Nails
571	1	2
515	2	3
717	3	1
515	1	2
+57	2	3
751	1	2
090	1	1
364	0	2
301	3	0
062	2	2

1ds. 1t. Va.	Ell. En. q. 2da. Va.	Ell. Fl. q. Va.
2 · 1 · 2	5 1 · 2 · 1	1 7 6 · 2 · 3
4 · 2 · 1	2 7 · 1 · 2	2 1 7 · 0 · 2
7 · 0 · 2	9 2 · 2 · 0	1 9 2 · 2 · 3
9 · 2 · 3	7 1 · 0 · 1	7 2 6 · 1 · 2
8 · 3 · 2	9 7 · 4 · 2	5 7 2 · 0 · 1
7 · 1 · 1	7 1 · 2 · 3	2 1 2 · 2 · 2
9 · 1 · 2	5 2 · 1 · 2	7 2 0 · 1 · 0
49 · · 7 · · 1	463 · · 1 · · 3	2 8 1 8 · · 2 · · 1
46 · · 3 · · 3	412 · · 2 · · 2	2 6 4 1 2 · · 2
49 · · 1 · · 1	463 · · 1 · · 3	2 8 1 8 2 · · 1

1ds. 1t. Va.	Ell. En. q. 2da. Va.	Ell. Fl. q. Va.
9 · 2 · 1	7 1 · 1 · 2	2 1 7 · 1 · 2
4 · 1 · 2	2 7 · 2 · 1	1 7 2 · 2 · 1
5 · 0 · 1	1 9 · 0 · 2	5 1 0 · 1 · 2
2 · 2 · 0	7 6 · 1 · 0	2 1 7 · 2 · 1
7 · 1 · 2	2 1 · 2 · 1	1 3 2 · 1 · 2
9 · 2 · 1	7 2 · 1 · 2	4 1 7 · 0 · 1
7 · 1 · 2	9 7 · 0 · 1	2 1 9 · 2 · 2
2 · 3 · 1	7 2 · 2 · 2	1 5 6 · 2 · 1
5 · 1 · 3	9 7 · 1 · 0	9 6 6 · 2 · 2
56 · · 0 · · 1	554 · · 2 · · 3	30 7 1 · · 1 · · 2
47 · · 2 · · 0	485 · · 1 · · 1	2 7 9 4 · · 0 · · 0
56 · · 0 · · 1	554 · · 2 · · 3	3 0 7 1 · · 1 · · 2

Liquid Measure

Table I.

2 Pints	= 1 Quart	
2 Quarts	= 1 Pottle	
2 Pottles	= 1 Gallon	
8 Gallons	= 1 Firkin of Ale	
9 Gallons	= 1 Firkin of Beer	
2 Firkins	= 1 Kilderkin	
2 Kilderkins	= 1 Barrell	
42 Gallons	= 1 Terce	
63 Gallons	= 1 Hogshead	
2 Hogsheads	= 1 Pipe or Butt	
2 Butts	= 1 Tun	

Tuns.	hh.ds	Gall:	Pott:
571	5	52	1
515	2	15	1
573	2	19	1
751	5	17	1
510	1	15	1
051	2	12	1
715	5	10	1
507	1	10	1
375	1	51	1
910	2	30	1
5283	3	46	0
4711	3	57	1
5283	3	46	0

Wine

Tuns.	Hhd's	Gall's	Qu.
27	2	17	2
19	3	21	3
57	2	50	1
92	1	24	2
51	0	17	0
29	2	12	2
10	0	10	1
283	0	27	3
261	2	10	1
233	0	27	3

Beer.

Bar.	Firk.	Gall.
17	3	8
21	2	7
97	0	4
72	2	8
53	1	7
29	1	2
70	0	5
362	1	5
344	1	6
362	1	5

Tuns. Hhd's Gall's Qu.

Tuns.	Hhd's	Gall's	Qu.
51	2	10	3
72	3	21	1
57	2	19	2
25	1	54	1
10	2	21	0
72	0	50	3
51	2	17	1
361	2	05	3
310	0	58	0
361	2	05	3

Bar. Firk. Gall.

Bar.	Firk.	Gall.
51	2	7
27	1	2
70	2	5
21	0	2
47	1	5
21	2	8
72	0	4
301	2	6
250	0	5
301	2	6

Dry Measure

Vol: V.

8 Pints	1 Gallon		
2 Gallons	1 Peck		
4 Pecks	1 Bushel		
2 Bushels	1 Strike		
2 Strike	1 Comb		
2 Comb	1 Quarter		
10 Quarters	1 Last		

Last	T.	Comb.	Sts
515	9	0	1
717	3	1	0
515	2	1	1
707	5	0	0
519	4	1	1
657	2	1	0
315	7	0	1
515	2	1	0
4455	6	0	0
9757	1	0	1
4455	6	0	0

Troy Weight

Note 24 Grains is 1. 20. 1 oz. & 12 oz 1 ℔

℔	oz	dwt	gr
56	10	15	21
90	11	19	20
65	09	10	10
50	10	19	12
60	10	16	13
321	06	02	01
270	07	01	07
591	06	[illegible]	01

℔	oz	dwt
75	11	16
90	10	10
65	09	09
70	11	19
50	05	14
351	[illegible]	08
278	01	12
351	[illegible]	03

℔	oz	dm
17	10	18
21	07	09
72	11	17
87	09	02
52	10	09
29	04	11
72	11	07
64	11	10
420	05	03
402	06	05
420	05	03

oz	dec	gr
571	12	19
217	17	08
192	14	07
471	10	11
217	12	08
724	07	10
572	18	07
358	13	12
2827	06	10
2755	13	15
2827	06	10

℔	oz	dec
31	10	15
97	07	17
72	10	08
91	11	09
72	09	18
57	10	04
29	11	16
72	11	08
467	11	15
436	01	00
467	11	15

oz	dec	gr
752	12	11
571	17	15
127	14	07
710	10	11
572	13	09
253	07	07
172	15	11
258	16	05
3420	07	04
3667	14	17
3420	07	04

Avoirdupoiz weil

Here note 3 y^t 16 Drams is an oz. 16 oz 1 ℔. 28 ℔ 1 qz of a C. 4 qz 1 C. And 20 C 1 Tunn. & 19½ a Fod^r.

Tunns	C	qz	℔	C	qz	℔	oz	dr
571	15	1	10	561	2	25	15	12
751	17	3	15	715	1	19	13	15
615	19	2	27	571	3	27	15	10
571	19	1	15	715	2	25	13	11
750	10	2	15	571	3	15	15	10
570	15	3	26	107	1	16	15	09
5832	11	0	06	3244	0	20	10	03
5261	03	2	04	2682	1	22	10	07
5852	09	0	06	3244	0	20	10	03

The Great W.t Small W.t

Tuns	C.t	Qur	L	L	Oz	Dra	Qr
17	15	2	12	57	10	14	2
24	02	1	10	21	07	10	1
52	13	2	26	97	02	15	3
21	14	0	17	25	12	14	1
56	10	3	21	90	15	08	0
72	17	2	19	67	09	12	3
21	12	1	15	40	10	11	2
267	06	3	08	401	08	07	0
249	11	0	04	343	13	08	2
267	06	3	08	401	05	07	0

L	C.t	Qr	L	L	Oz	dr	qr
21	14	0	25	72	11	10	1
19	10	2	17	57	02	09	2
47	09	0	24	21	10	14	0
32	11	3	10	97	01	13	3
52	12	1	27	58	15	14	2
29	16	2	18	21	11	07	1
70	11	0	20	72	10	09	2
276	06	1	01	402	00	14	3
254	12	0	04	329	05	04	2
276	06	1	01	402	00	14	3

Subtraction

From a greater takes a less Shews ye Remainder

	℔	℔	£
Horr.d	75755	45757	957157
Paid	57570	31579	517579
Rest	18185	14170	489578
Proof	75755	45757	957157
	℔	℔	℔
Pr.	97579	17575	571575
Pr.	57157	5759	157979
Ballance	40422	11816	413596
Proof	97579	17575	571575

Subtraction
Of Money

Subtraction teacheth how to take a lesser Number from a greater and to know the Remainder

The Proof is by adding the Remainder to ye Summe Paid and if they make ye Summe tent ye work is right

Examples

	£	s	d		£	s	d	
Due	57	0	15	5				¼
Paid	15	7	17	7				½
Remr	41	12	17	10				¾
Proof	57	0	15	5				¼

	£	s	d	
Due	6	57	15	½
Paid	5	50	14	¾
Remr	6	36	15	¾
Proof	6	57	15	¾

	£	s	d
Borrowo	571	15	11 ½
	057	17	9 ¼
Att times	215	13	10 0
	570	15	9 ½
viz.t	705	17	7 ¼
	576	15	9 ½
	757	17	7 ½
	515	15	7 ¼
Totall borrowd	4072	09	11 ¾
Paid	1057	17	11 ¾
Rest	3014	12	11 ¾
Proof	4072	09	11 ¾
Debt viz.t	6575	15	0
	515	13	3
Paid at times	710	17	7
	519	10	2
	15	13	7
Totall paid	1761	14	7
Rest	4814	00	5
Proof	6575	15	0

Cloth measure.

	Yards	qrs	na
Bought	515	1	2
Sold	157	2	3
Rest	357	2	3
Proof	515	1	2

	Ell Eng	qrs	na
Bought	515	3	0
Sold	159	4	2
Rest	156	4	2
Proof	345	3	0

Liquid measure.

	Tuns	Butts	Hogs^{ds}	Tall Tolls	Quarts
Bought	757	1	0	15	0	1
Sold	570	1	1	19	1	1
Rest	187	0	0	75	1	0
Proof	757	1	0	15	0	1

Receivd	605	5	12		756	10	15	12
Delivered	517	9	15		515	11	16	19
Rest	087	7	17		441	10	18	17
Proof	605	5	12		756	10	5	12
Melted	757	11	15		957	9	13	10
Sold	519	10	19		579	11	15	25
Rest	238	00	16		378	09	17	11
Proof	757	11	15		957	09	13	10

Avoirdupoize Weight

	Tuns	C	qr	lb		C	qr	lb	oz
Bought	6575	10	1	25	Bo:	571	2	15	10
Sold	1557	15	2	26	So:	157	1	27	11
Rest	5017	14	2	27		414	0	15	15
Proof	6575	10	1	25		571	2	15	10

	Tuns	C	qr	lb		C	qr	lb	oz
Gross	5710	11	1	15	Gr:	751	1	15	10
Tare	0157	15	1	17	Ta:	105	1	19	12
Nett	5662	16	3	26	Nett	645	3	23	14
Proof	5710	11	1	15	Pr:	751	1	15	10

	Tuns	C	qr	L
Bought	975	15	1	15
	717	17	2	11
	957	15	3	27
viz.t	571	15	2	15
	717	17	1	11
	975	19	2	25
	507	10	1	11
	717	17	1	15
Totall bought	6142	09	3	18
Sold	1577	15	1	27
Rest unsold	4564	14	1	19
Proof	6142	09	3	18

	Tuns	C	qr	L
Bought	575	15	1	11
	157	15	1	17
Sold Att Times viz.t	75	17	1	19
	95	19	2	21
	75	17	1	17
	75	15	2	21
Totall sold	481	05	2	15
Rem.dr	094	09	2	24
Proof	576	15	1	11

19

Multiplication

Lable

2	2 .. 4	
	3 .. 6	
	4 .. 8	
	5 .. 10	
	6 .. 12	
	7 .. 14	
	8 .. 16	
	9 .. 18	
3	3 .. 9	
	4 .. 12	
	5 .. 15	
	6 .. 18	
	7 .. 21	
3	8 .. 24	
	9 .. 27	
4	4 .. 16	
	5 .. 20	
	6 .. 24	
	7 .. 28	
	8 .. 32	
	9 .. 36	
5	5 .. 25	
	6 .. 30	
	7 .. 35	
	8 .. 40	
	9 .. 45	
6	6 .. 36	
	7 .. 42	
	8 .. 48	
	9 .. 54	
7	7 .. 49	
	8 .. 56	
	9 .. 63	
8	8 .. 64	
	9 .. 72	
9	9 .. 81	
10	10 .100	
	11 .110	
	12 .120	

This Table must be got by heart before ye Learner proceed further

Multiplication

Tis Ut Ie compendiously performs ye work of many Additions And hath in it 3 Parts viz.t

Multiplicand
Multiplier &
Product

Example

57531	Multiplicand
5	Multiplier
287655	Product

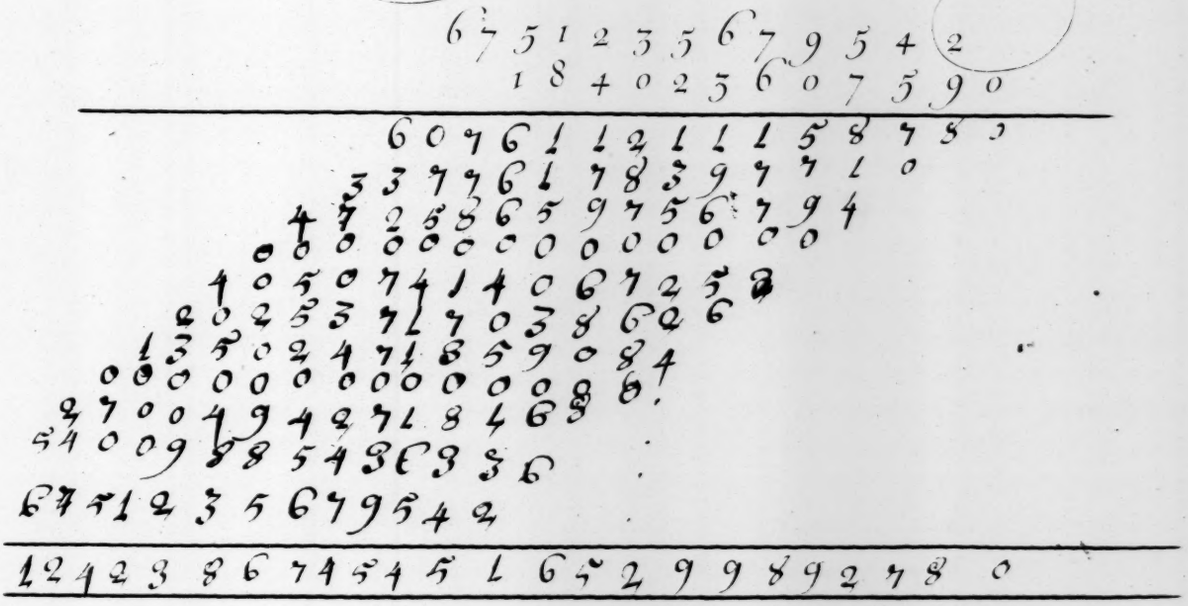
4729672	7208987
8	9
47837376	65880883

5278974	8726978
96	89
31673844	78542802
47510766	69815824
506781504	776701042

721976	721897
589	976
6497784	4331382
5775808	5052109
3609880	6497073
425143864	704560772

572897	972076
9764	7658
2291588	7776608
3337382	4860380
4010279	5832456
5256073	6804532
5692766308	7444158008

Multiplication

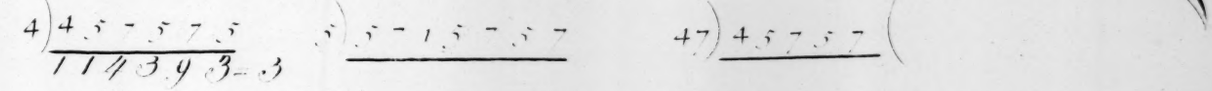


Division

By this Rule we discover how often one Number is contained in another And in it 4 Things are to be noted

viz.

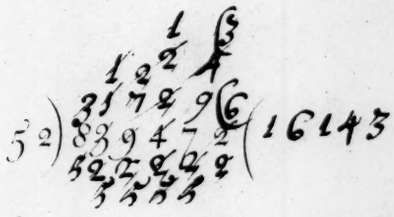
The
- Dividend is ye Summe to be divided
- Divisor is ye Number by wch we divide
- Quotient is ye Answer to ye Question
- Remainder is allways less yn ye Divisor

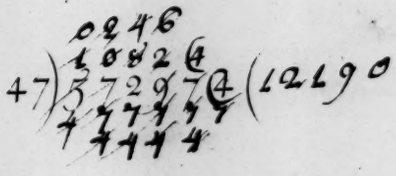


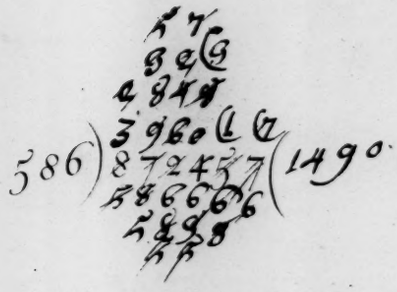
4) 4 5 7 5 7 5
1 1 4 3 9 3 = 3

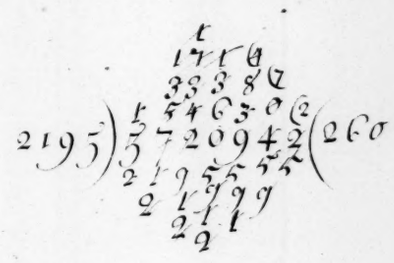
5) 5 7 1 5 7 5 7

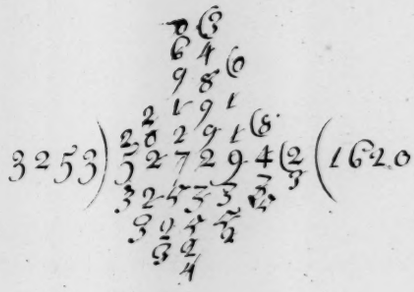
47) 4 5 7 5 7 (

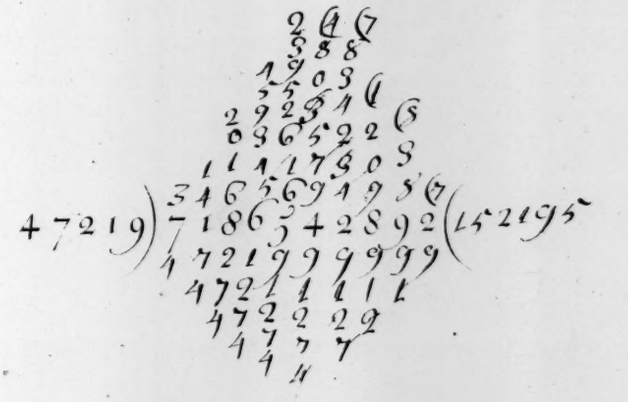












Reduction Of Money

All great Names are turnd into small by Multiplication And small Names into great by Division

Example

6505 How many Pence

20
10100
12
20200
10100
121200

In 97500 Z howmany Farthings

```
      20
  1950000
       12
  3900000
 195000
 23400000
        4
 93600000
```

In 570603 Half pence howmany Pounds

```
 1 1   0 1   1 2 1   1 2 1 1
 570603 ( 285301 ( 71325 ( 5941 3 ( 297 = 3 = 9 ½
 222222   44444   12222   222
                   111
```

Reduce 720940 Markes into Z & S

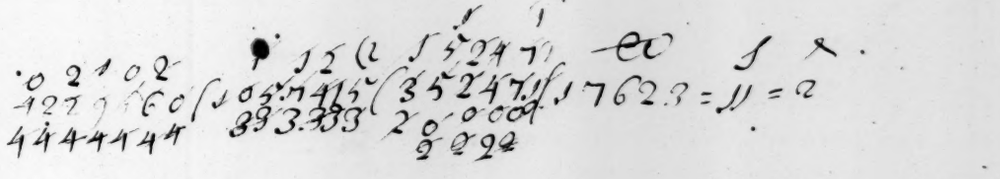
```
      160
 432564 00
 720940
 1153504 00
```

Mark
13 = 4
12
30
13
160

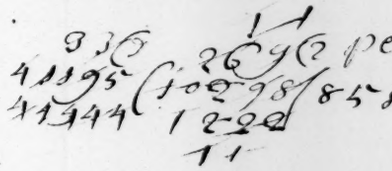
```
 1 1 1 1
 2713644 ( 1   1 1   ∞
 115350400 ( 961253 3 ( 480126
 12222222   222222 0
 111111
```

30.

In 52872 Nobles how many Groats and Pence
80
4229760



Reduce £729:19:07 into Groats and Pence
20
14599
12
175205
14599
4411995



Avoirdupoize Weight

In which the meaning of Gross, Tare, Trett, and Cloff, is to be understood. viz.t

Gross is the entire weight of any Commodity &c. the Chest, Hhd Cask, Wrapper, or what ever else it is contained in

Tare, comes from Tarra, an Italian word, by which is meant y.e Chest. Cask or Wrapper, that any Commodity is Trought over or preserved in.

Trett, is a duty of 4 lb in every 104 lb claimed by Citizens of London, upon garbled Goods, Such as Indico Pepper, Nutmegs, & other Groceries and Drugs.

Cloff or Clough, is another duty of 2 lb weight claimed on every draught above 3 lb weight on some sorts of Goods.

The Golden Rule

Or

Rule of Three

Is either DIRECT or REVERSE

Signes of the Direct Rule — If more require more / Or less require less

Signes of the Reverse Rule — If more require less / Or less require more

IN this Rule reduce ye first and third Numbers both into one name And ye Second Number into ye lowest name mentioned Then if the Question appertaine unto the Direct Rule Multiply Second and Third Number one by another and divide that Product by the first Number And the Quotient will be ye Answer to ye Question And of the same Name yo left your second Number in

Put if it appertaine to the Reverse Rule Multiply the first and Second Numbers together and divide the Product by ye third and the Quotient will be ye answer to ye Question in ye name your second Number was left

If 1. yard cost 4s. 09d what cost 196 - ½ Yds

4
4

12
17
4
57

4
7870

Hd pence 2
4 = 57 - - 7870
57
55090
39350
448590

1 3 2 2 4 5 6 7 1 1
448590 (112147 (934 5 (467 = 5 - 7 ½
444444 12222 2220
111

If 1. Ct cost 42s : 06 what will 6 ¾ Ct 2 Quars 10 lb cost

4
4
28
32
8
112

12
90
42
510

4
26 5
28
20944
5237
73314

Hd pound farthings
112 = 510 = 73314
510
733140
366570
37390140

1 1 1
1 9 5 0 6
3 4 6 6 1 7
0 4 7 8 4 4 6 2
3 7 3 9 0 1 4 0 (333849
1 1 2 2 2 2 2 2
1 1 1 1 1 1
1 1 1 1

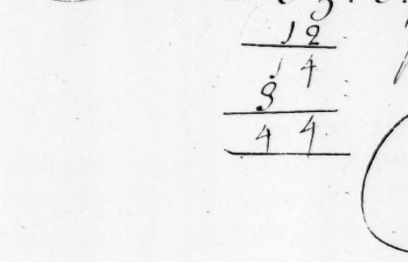
34.

Ab 3 : 14 : 09 ℔ oz wt comes 174 : 11 : 10 to

20	20	20
74	80	3491
12	40	24
157	480	13964
74		6983
897		83794

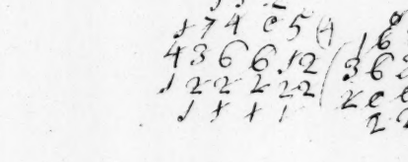
A grains 480 = D 897 = grains 83794

897	324
586558	7787
754146	871830
670352	751632 18 (156590
751632 1 8	488888
	44444



Ab 3 s. 8 d. ℔ Bushel to wt comes Quar: Bu 1240 . 3 .

12	8
14	9923
3	
44	



A Bu pence 1 = 44 .. Bus. 9923

44
39692
39692
436612

1121	01	
17405 (4	16384 (4	w s s
436612	36384	1819 - 4 .. 4
122222	20000	
1111	222	

35

A Workman is hyred for a Year at 2s. 04d.
365 12
28

p Day wt comes his Wages to

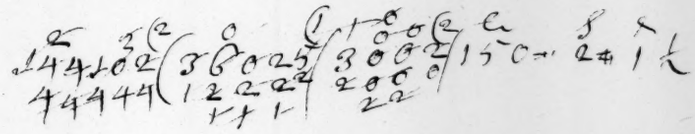
If Day pence Days
1 28 = 365
28
2320
730
9520

121 1 8 e
214 4 19 3 e
9520 793 39 = 13 = 4
1222 200
11 2

A Merchant Sold 5 Pds of Cloth

qt Vizt 37 : 1/2 at 11s : 09d p yd wt come they to
96 : 1/4 12
55 : 31
37 : 3/4 11
29 : 141
255 = 2
4
1022

If Qrs pence Qrs
4 = 141 = 1022
141
1022
4088
1022
144102



2 3 2 0 1 1 0 0 2 e 8 d
144102 36025 3002 150 = 2 = 1 1/2
44444 12222 2000
111 22

Bought 3 hhd of Tobacco Weighing

3 . 2 . 17 lb Gross, Tare 79 lb at 9½ p lb. Nett wt comes it to.

4
14
28
119
29
409
16
2454
409
6544
1264
5280

16
474
79
1264

4
38

pence
16 " 38 " 5280
38
42240
15840
200640

232
14860
200640 / 12540
166666
1111

Sold 3 hhd wt viz. No. 1 . 1 : 2 : 11 lb Tare 100 lb

at 7½ p lb Nett wt come they to 2 . 5 : 1 : 17 ..... 100.

4
30

1 " 30 " 1017
30
30510

3 . 4 : 2 : 19 ..... 90.
11 . 2 . 19 290
4
46
28
377
93
1307
290
1017

2 1 9 2 / 1 4 6 / 7 0 8 5
30510 / 7027 / 635 / 31 " 15 " 7½
4444 / 1222 / 200
11 2

37.

Bought 5 Fangot of Ardas Silk q^t vizt

No				
1 to 5	3 . 2 . 17	Tare of Shirt & Cord	8 1/2	At 15-09 ye great ℔ of 24 Ounces w^t come they to
	4 . 1 . 12		9	
	4 . 0 . 02		8 1/2	
	3 . 2 . 11		9 1/4	
	4 . 1 . 17		9 3/4	

Sold 3 Sacks of Millian Rice at 16^s : 09^d p^r N^t Nett w^t come they to

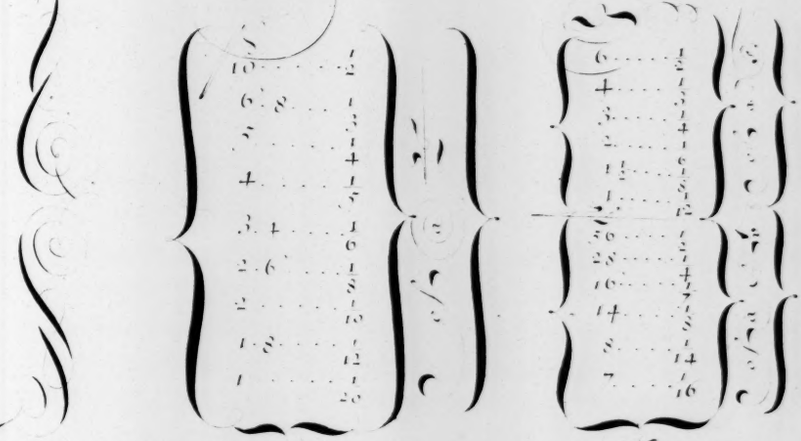
No	C^t	℔	q^rs	℔	
	1	4	2	17	Tare 2 ℔ p^r St Cloff 2 ℔ p^r Sack
	2	5	1	19	
	3	4	2	15	

PRACTICE Tables

Table of 12.

2	12	24
3	12	36
4	12	48
5	12	60
6	12	72
7	12	84
8	12	96
9	12	108
10	12	120
11	12	132
12	12	144

Seven Tables



By this Rule Merchants and other Traders may compendiously cast up the Prices of all sorts of Goods.

Sold 472 lb at 2 d p lb
78 - 8
550 - 8

Bought 526 Yds at 3 d p Yd
131 - 4
657 - 4

Sold 3275 Ells at 6 d p Ell

Bought 219 oz at 9 d p Oz

Sold 5009 Ells at 13½ d p Ell

Bought 312 oz at 23½ d p oz

Sold 476 lb at 2 s 08 d p lb

Bought 721 Yds at 5 s 09 d p Yd

40

Bought 9 yds 1 1/2 at 8 d. p Yd

Sold 5 0 8 1/4 at 9 s. 05 d. p lb

Bought 4 6 oz 8 3/4 at 11 s. 02 d. p oz

Sold 6 9 yds 7 3/4 at 8 s. 03 d. p Yd

Bought £ 4 5 1/2 at 27 s. 05 d. p £

Sold £ 7 4 1/4 at 5 s 6. 07 d. p £

Bought £ 9 4 3/4 at 45 s. 06 d. p £

Sold £ 9 7 3/4 at 37 s. 08 d. p £

Sold ℔ qr. ℔ ℔ s. d.
54 · 1 · 14 at 3 · 11 · 04 ℘ hundred

Sold ℔ qr. ℔ ℔ s. d.
97 · 2 · 21 · at 4 · 12 · 09 ℘ hundred

Sold ℔ qr. ℔ ℔ s. d.
75 · 2 · 08 · at 3 · 06 · 06 ℘ hundred

What will 9 · 3 · 27 · at 9½ ℔ Pound come to

What will 7 · 0 · 19 · at 8¾ ℔ Pound come to

What will 72 · 05 · 11 · at 5 · 06½ ℔ Ounce come to

Bought lb oz dwt s d
75 : 07 : 05 at 6 : 02½ p Ounce

Bought oz dwt grā lb s d
54 : 11 : 13 at 3 : 11 : 04 p Ounce

Bought oz dwt grā lb s d
96 : 13 : 19 at 5 : 16 : 06 p Ounce

Sold 7 Yds 2 9½ at 5 s. 4½ d. ℔ Ell

Sold 5 Ells 1 ⅕ at 4 s. 06 ¾ d. ℔ Yard

Sold 7 Yds 1 8¼ at 6 s. 09 ¼ d. ℔ Ell Flem.

What will 979 · 2 · 26 at 2 · 04¼ ℔ Hundred come to

℔ qr ℔ s. d.

What will 69 3 · 19 at 19 · 3½ ℔ Hundred come to

℔ oz dwt d.

What will 907 · 06 · 19 · at 99½ ℔ ounce come to

THE Compound or Double Rule of 3.

This Rule consisteth of 5 Terms propounded; The 3 first contain a Supposition; The 2. last an Interrogation; & a sixth Term is sought. In the Direct Rule before ye operation of ye Question; the 5 Terms given are to be so ranked; y^t the 1.st and the fourth may be of one Denomination; and y^t second & the 5.th of another; and when the Question is answered, ye sixth Proportional found will be of the same Denomination wch the third wch must be put in the blank place under the third Number. The operation of the direct Rule Multiply the 3 last Numbers for a Dividend; & the first and 2.^d for a Divisor; In the Rule inverse; the blank term sought will stand under the first or second number; And then multiply the first Second and last Numbers together for Dividend & the third & fourth for Divisor; and y^e Quotient will answer the Question.

The Carriage of 3 ℔ Weight 50 Mile

cost 29s. 06d. what will the Carriage of 39½ ℔ for 97 Miles come to

29 = 6
12
64
29
354

3 = 354
3
6 79
3186
2478
27966

39½
2
79

3300
27966 (4661
6666

50 - 4661 - 97
97
32627
41949
452117

3-50 354 39½ 79
6 97 79
300 2478
3186
34338
79
309042
240366
2712702

0 C
0 1 2 7 0 2
2712702 (9042
300000
3000
38

Iscaven. Mowers mow 50 Acres in 6 Days Howmany will mow 400 Acres in 9 days

50 - 7 - 400
7
2800

3
2800 (56
500
5
write

~~rong 6 = 56 = 9~~
~~9~~
~~504~~

2(0
~~504 (84~~ rong
66

6 = 56 - 9
6
336

5(2
336 (36 $\frac{2}{9}$ write
99

If 12 Workmen make a Wall 130 foot long and 16 foot high in 9 Days: How many will make a Wall 390 Foot long and of the Same hight in 6 Days.

130 - 12 - 390
12
780
390
4680

1
1 7 6
4680 (36 Answer
133
1

9 - 36 - 6
9
324

26
324 54 Answer
66

Interest

INTEREST is either Simple or Compound

Simple Interest is that which ariseth from ye Principal onely at any Rate propounded for a certaine Time to come.

Compound Interest is that which ariseth from ye Principal for such a certaine Time, and from that Interest & Principal also for another Time to come And is therefore vulgarly called Interest on Interest

Borrow'd on Interest at 5 p C p Annum for 9 Months 729 18 09 What comes it to

℔	moh	℔	℔	s	d	month
100 =	12 =	5 =	729 -	18 -	9 -	9

20
2000
12
4000
2000
24000
12
48000
24000
288000

20
100
12
200
100
1200
9
10800

20
15598
12
21205
14598
175185
10800
175185
175185
1401480
175185
700740
7324660035

6
1298 (4
156442 (4
7324660035 (25432
288888000
28888
222

Borrow'd on Interest 572 : 17 : 11. for 2 : 11 : 18. days at 6. p C p Annum wt comes it to

℔	m	℔	℔	s	d	y	month Dayes
100 =	12 .	6 .	572 :	17 =	11 =	2 =	11 = 18

20
2000
12
4000
2000
24000
372
48000
168000
72000
8928000

31
12
36
372

20
120
12
240
120
1440

20
11457
12
22915
11458
137495
1440
5499800
549980
137495
197993800
1089
1781944200
1583950400
000000000
197993800
215615348200

730
341
18
1089

4 0
1 4 4
3 4 0
3 7 0 5 3 5
215615348200 (24150 2012
8928888000
892222
8999
88

0 0 36
2012 (100 - 2 - 6
2000
22

To wt. comes the Interest of 7218. forborne from the 21.th of May 92. to ye 27. of June 95. at 6. pct. Annum.

a m a a y days
100 - 12 - 6 - 7218 - 365 - 37
365
500
600
300
36500

6
43308
1132
86616
129924
43308
43308
49024656

15
18
9
1095
37
1132

1
15
1 2 5 7 4 (1
4 9 0 2 4 6 5 6 (1343
3 6 5 5 0 0
3 6 6 6
3 3

What comes ye Interest to of 5721. forborne from ye 21.th of June 95. to ye 11.th of May 97. at 6. pct. Annum.

a m a a year
100 - 12 - 6 - 5721 - 2
36500

6
34326
710
343260
402820
24371460

2
2 8 6
2 4 7 1 9
2 4 3 7 1 4 6 0 (667
3 6 4 5 0 0
3 6 6
3

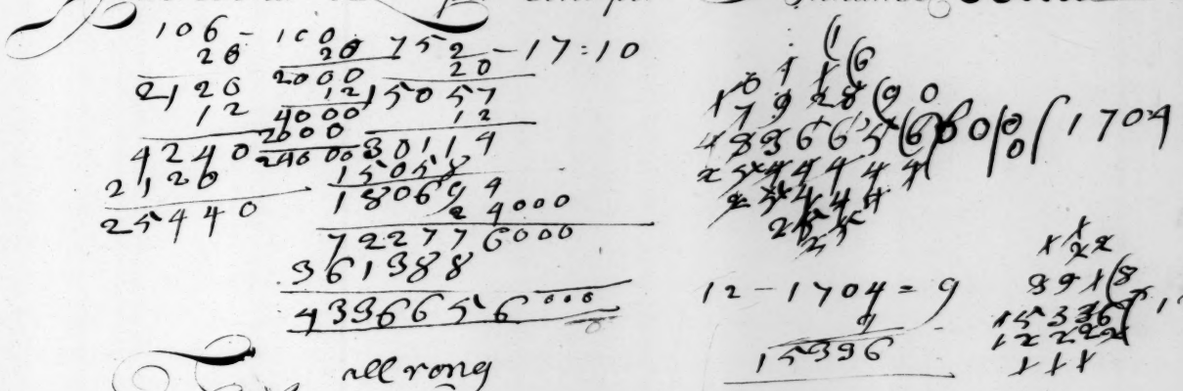
Discount

The Discount of a Summe of Money is proportional to the Principal as 6 is to 106 Interest at 6 p^r Cent

Wherefore in the stating of your Question let the Interest of 100 ℔ with 100 ℔ be the first Number 100. y^e second and y^e Summe to be discounted the third which tells you the Summe y^t is to be paid presently &c being subtracted from the Principall the remainder will be y^e Discount

What comes: the Discount to of 752 : 17 : 10 : for $\frac{9}{mo}$

Interest at 6 £ per Cent per Annum



106 - 100
20 20
2120 2000
12 12
4240 4000
2120 2000
25440 24000

752 - 17 : 10
20
15057
12
30114
15058
180694
24000
722776000
361388
4336656000

all rong

1
1 1 6
1 7 9 2 8 9 0
4 3 3 6 6 5 6 0 0 0 0 1704
2 5 4 4 4 4 4
2 5 4 4 4
2 5 5

12 - 1704 = 9
9
15336

1 1 2
3 9 1 8
1 5 3 3 6 1279
1 2 2 2 2
1 1 1

If 2400 £ be Discounted for $3\frac{6}{mo}$ wt comes it to

Interest at 5 £ Ct Annum

Exchange

Exchange is no more then to pay Money in one Place or Countrey
Receive in another the like value w.th consideration of loss or gain

Severall Coins

Dutch

6 Guilders is 1 Flem
20 Stivers is 1 Guilder.
6 Stivers is 1 Sh. Flem
2 Groats is 1 Stiver.

Spanish

1 Ducatt is 11 Royalls.
1 Royall is 34 Malvid.rs
1 Ducatt is 374 Malvid.rs

French

12 Den.rs is 1 Soz
20 Soz is 1 Liv.r
3 Liv.rs is 1 Crowne

Turkie

1 Dollar is 80 Asp.rs

Portugeize

1000 Reas is Mill Rea

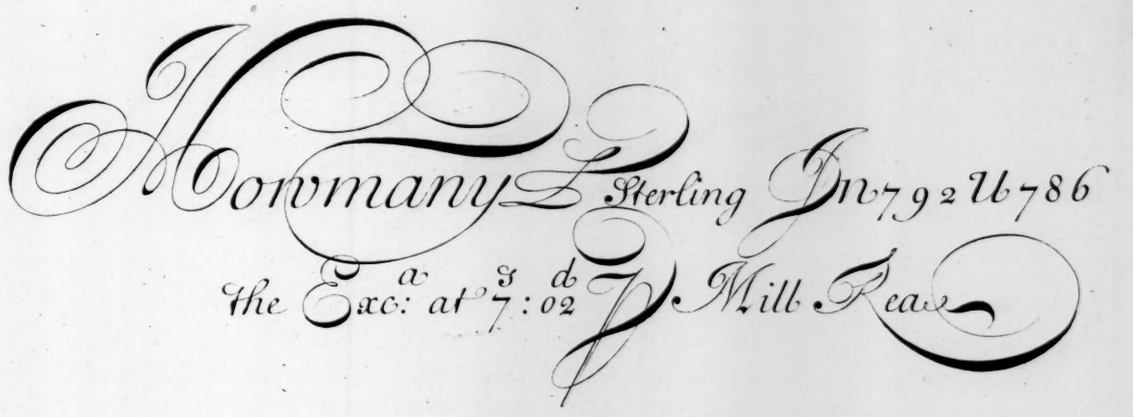
In 7526 Guilders 07 Stivers howmany L Sterling the Exc.d at $\overset{s}{36}$. Flem.s for $\overset{s}{20}$ Sterling

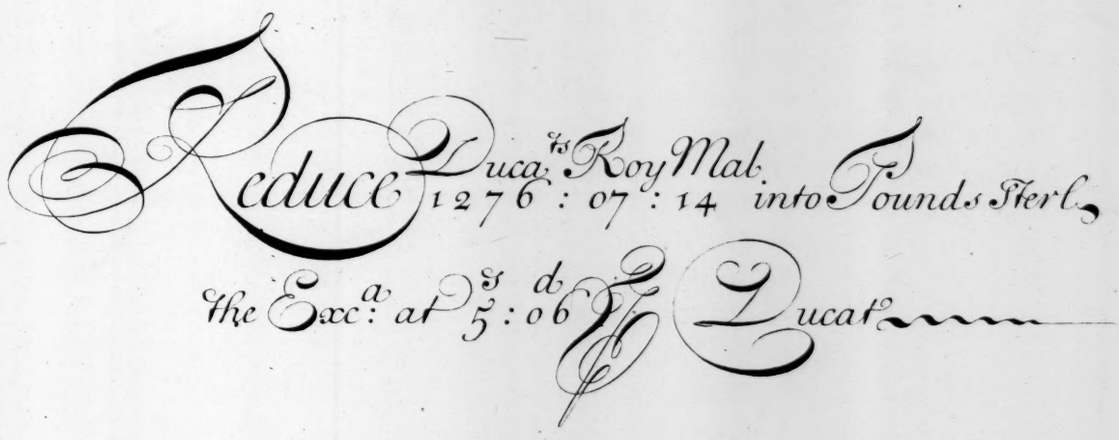
6 Guilders..... 1 L Flem
20 Stivers..... 1 Guilder
6 Stivers..... 1 Shil flem
2 Groats ..... 1 Stiver

In $\overset{W}{1412} : \overset{L}{2} : \overset{soz}{11}$. howmany L Sterling the Exc.a at $\overset{d}{55} : \frac{5}{8} : \text{P}\,W$

3 Livers..... 1 Crowne
20 Soz ..... 1 Liver
12 Deniers..... 1 Soz

57





Howmany L Sterling In 792 U 786
the Exc:a at 7s:02d ℔ Mill Rea

Reduce Ducats Roy Mal 1276 : 07 : 14 into Pounds Sterl
the Exc:a at 5s:06d ℔ Ducat

58

Two Merchants Company A. put in
li. s. d.
120 · 10 · B put in 170 · 13 · 04 · and they have gained 99 · 10 ·
li. s.
I demand each mans p^r. of the gain

Four Merch.ts Company

A put in 141:12:08. B put in 271:17:01. C put in 414:19:09. D put in 96:09:09. and they have lost 296:10. how much must each man bear of ye loss

All you that are endued with christian mind
Pray shed a tear upon these mournful lines
Let the remembrance of them never sleep
But guard our Souls & teach our hearts to weep

What wickedness is thise that we have done
to pull this great amazing Judgment down
Which made poor Sinners with despairing cry
O stop thy hand Almight or we dy

The Second part I write of this lady Bright
for the truth I mean for to unfold
tho it is of horror trouble grief and sorrow
sye the Like was never never told
When the Ladie she thought she had been free
Then began her sorrow grief and woe
her father came to hear that she loved Dear
A Young English Seman mean and low
Then her father said to her waiting maid
go and call my Daughter to me hear
for I solemnly protest and Do Declare
Soon Je part her love and a she near fear

Jonathan Coffin
his Book Anno 1713

Jonathan Coffin his Book 1709 Anno Domini
Book 1708
Book 1709
Book 1709

Jonathan Coffin

Coffin n

Joshua Bangs
1771

Jonathan

Joshua Bangs

Jonathan
for Ledo Gladue
Thousands
London
London

Jonathan Coffin his book 1709

Jenuarey 26 17 10/11
att Mr Order

Lond

John
Ponder London

Jd

John Coffin

John Coffin
is my name
and with my
and pen I writt the
same and If my
pen had ben
Better I should
amended Every
letter 1706

Jonathan

Jonathan Coffin
his hand and his
Writen August 26 1706
2 Days hench I shall
be 14th year Ad
Jonathan Coffin